

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A data transmission apparatus for transmitting multi-media data comprising ~~a plurality of objects~~ kinds of data having respective priority, the apparatus comprising:

means for selecting an error-correction coding method for each of the ~~plurality of objects~~ kinds of data based on the priority of each of the ~~plurality of objects~~ kinds;

means for error-correction coding of each of the ~~plurality of objects~~ kinds of data using the selected error-correction coding method; and

means for multiplexing plurality of coded object data and transmitting multiplexed data through a transmission channel.

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2. (Original) The data transmission apparatus according to claim 1, wherein the error-correction coding method is based on a plural-time transmission method and said selecting means determines the number of times of transmission in the plural-time transmission method based on the priority.

3. (Currently Amended) The data transmission apparatus according to claim 1, further comprising means for stopping at least one of error-correction coding, multiplexing the coded object data, and transmission of the multiplexed data based on the priority.

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4. (Currently Amended) The data transmission apparatus according to claim 1, further comprising means for detecting a traffic quality of the transmission channel, and wherein said selecting means selects an error-correction coding method based on the ~~priority of each object kind~~ and the traffic quality.

5. (Original) The data transmission apparatus according to claim 4, wherein the error-correction coding method is based on a plural-time transmission method and said selecting means determines the number of times of transmission in the plural-time transmission method based on the priority and the traffic quality.

6. (Currently Amended) The data transmission apparatus according to claim 4, further comprising means for stopping at least one of error-correction coding, multiplexing the coded ~~object~~ data, and transmission of the multiplexed data based on the priority and the traffic quality.

7. (Currently Amended) A data reception apparatus for receiving coded transmission multi-media data comprising a plurality of kinds of coded ~~object~~ data, each object kind having a priority, the apparatus comprising:

means for receiving and demultiplexing the coded transmission data into the plurality of kinds of coded ~~object~~ data;

means for detecting the priority of each object kind; and

means for error-correction decoding of each of the kinds of the coded object data based on the priority detected by said detecting means.

8. (Currently Amended) The data reception apparatus according to claim 7, wherein the coded transmission data is based on a plural-time transmission coding method and said error-correction decoding means determines a value of the coded object data using a majority method based on the priority.

9. (Original) The data reception apparatus according to claim 7, further comprising means for stopping an operation of said error-correction decoding means based on the priority.
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10. (Currently Amended) The data reception apparatus according to claim 7, further comprising means for detecting a traffic quality of a transmission channel for transmitting the coded object data, and wherein said error-correction decoding means error-correction decodes the coded object data based on the priority and the traffic quality detected by said detecting means.

11. (Currently Amended) The data reception apparatus according to claim 10, wherein the coded transmission data is based on a plural-time transmission coding method and said error-correction decoding means determines a value of the coded object data using a majority method based on the priority and the traffic quality.

12. (Original) The data reception apparatus according to claim 10, further comprising means for stopping an operation of said error-correction decoding means based on the priority and the traffic quality.

13. (Currently Amended) ~~An object A~~ coding apparatus for transmitting multi-media data formed of ~~a plurality of object kinds of~~ data and scene description data, each object kind of data having a priority, the scene description data indicating the priority of each object kind of data and how each kind of the object data are synthesized, the apparatus comprising:

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means for determining error-correction coding methods for the ~~plurality of kinds of~~ object data respectively based on the priority;

means for error-correction coding of each of the ~~plurality of object kinds of~~ data using the determined error-correction coding methods;

means for error-correction coding of the scene description data using a predetermined error-correction coding method; and

means for multiplexing coded scene description data and ~~a plurality of kinds of~~ coded object data and transmitting multiplexed data.

14. (Currently Amended). ~~An object A~~ coding/decoding system comprising:

the object coding apparatus according to claim 13; and

~~an object a~~ decoding apparatus comprising:

means for receiving and demultiplexing the multiplexed data from said object coding apparatus into the coded scene description data and the plurality of kinds of coded object data;

means for detecting the priority of each object from the of the kinds of coded scene description data;

means for error-correction decoding of each of the plurality of kinds of coded object data using a decoding method based on the priority detected by said detecting means;

means for error-correction decoding of the coded scene description data using a predetermined decoding method; and

means for synthesizing plurality of decoded kinds of object data based on a decoded scene description.

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15. (Currently Amended) A data transmission method for transmitting multi-media data comprising a plurality of objects kinds of data having respective priority, the method comprising the following steps of:

selecting an error-correction coding method for each of the plurality of objects kinds of data based on the priority of each of the plurality of objects;

error-correction coding of each of the plurality of objects kinds of data using the selected error-correction coding method; and

multiplexing plurality of kinds of coded object data and transmitting multiplexed data through a transmission channel.

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16. (Original) The data transmission method according to claim 15, wherein the error-correction coding method is based on a plural-time transmission method and said selecting step determines the number of times of transmission in the plural-time transmission method based on the priority.

17. (Currently Amended) The data transmission method according to claim 15, further comprising a step of stopping at least one of error-correction coding, multiplexing the kinds of coded object data, and transmission of the multiplexed data based on the priority.

18. (Currently Amended) The data transmission method according to claim 15, further comprising a step of detecting a traffic quality of the transmission channel, and wherein said selecting step selects an error-correction coding method based on the priority of each object kind of data and the traffic quality.

19. (Original) The data transmission method according to claim 18, wherein the error-correction coding method is based on a plural-time transmission method and said selecting step determines the number of times of transmission in the plural-time transmission method based on the priority and the traffic quality.

20. (Currently Amended). The data transmission method according to claim 18, further comprising a step of stopping at least one of error-correction coding, multiplexing

the coded object data, and transmission of the multiplexed data based on the priority and the traffic quality.

21. (Currently Amended) A data reception method for receiving coded transmission data comprising ~~a plurality of~~ kinds of coded object data, each object having a priority, the method comprising the following steps of:

receiving and demultiplexing the coded transmission data into the plurality kinds of coded object data;

detecting the priority of each object kind of coded data; and

error-correction decoding of each of the kinds of the coded object data based on the priority detected by said detecting step.

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22. (Currently Amended) The data reception method according to claim 21, wherein the coded transmission data is based on a plural-time transmission coding method and said error-correction decoding step determines a value of the coded object data using a majority method based on the priority.

23. (Original) The data reception method according to claim 21, further comprising a step of stopping an operation of said error-correction decoding step based on the priority.

24. (Currently Amended) The data reception method according to claim 21, further comprising a step of detecting a traffic quality of a transmission channel for

transmitting the coded ~~object~~ data, and wherein said error-correction decoding step error-correction decodes the coded ~~object~~ data based on the priority and the traffic quality detected by said detecting step.

25. (Currently Amended) The data reception method according to claim 24, wherein the coded transmission data is based on a plural-time transmission coding method and said error-correction decoding step determines a value of the coded ~~object~~ data using a majority method based on the priority and the traffic quality.

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26. (Original) The data reception method according to claim 24, further comprising a step of stopping an operation of said error-correction decoding step based on the priority and the traffic quality.

27. (Currently Amended). ~~An object A~~ coding method for transmitting multimedia data formed of a plurality of object kinds of data and scene description data, each object kind of data having a priority, the scene description data indicating the priority of each object kind of data and how the object kinds of data are synthesized, the method comprising the following steps of:

determining error-correction coding methods for the kinds plurality of object data respectively based on the priority;

error-correction coding of each of the plurality kinds of object data using the determined error-correction coding methods;

error-correction coding of the scene description data using a predetermined error-correction coding method; and

multiplexing coded scene description data and a plurality kinds of coded object data and transmitting multiplexed data.

28. (Currently Amended). An ~~object A~~ coding/decoding method comprising the following steps of:

determining error-correction coding methods for the plurality kinds of object data respectively based on the priority;

error-correction coding of each of the plurality kinds of object data using the determined error-correction coding methods;

error-correction coding of [[the]] scene description data using a predetermined error-correction coding method;

multiplexing coded scene description data and a plurality the kinds of coded object data and transmitting multiplexed data;

receiving and demultiplexing the multiplexed data from ~~said object coding apparatus~~ into the coded scene description data and the plurality kinds of coded object data;

detecting the priority of each object from the coded scene description data;

error-correction decoding of each of the plurality kinds of coded object data using a decoding method based on the priority detected by said detecting step;

error-correction decoding of the coded scene description data using a predetermined decoding method; and

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synthesizing plurality the kinds of decoded object data based on a decoded scene description.